(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau

MPO CHE

(43) International Publication Date 9 June 2005 (09.06,2005)

PCT

(10) International Publication Number WO 2005/051662 A3

- (51) International Patent Classification7: 33/569, C07K 14/47, 16/18
- G01N 33/564,
- (21) International Application Number:

PCT/GB2004/050030

(22) International Filing Date:

25 November 2004 (25.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0327368.7

25 November 2003 (25.11.2003) GI

- (71) Applicant (for all designated States except US): UNIVER-SITY OF LEICESTER [GB/GB]; Research and Business Development Office, University Road, Leicester, Leicestershire LE1 7RH (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LYNCH, Nicholas [GB/GB]; University of Leicester, Research and Development Office, University Road, Leicester, Leicestershire LE1 7RH (GB). SCHWAEBLE, Wilhelm [DE/GB]; University of Leicester, Research and Business Development Office, University Road, Leicester, Leicestershire LE1 7RH (GB).

- (74) Agent: MARKS & CLERK; 66-68 Hills Road, Cambridge, Cambridgeshire CB2 1LA (OB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TI, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, BS, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

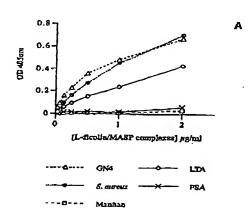
Published:

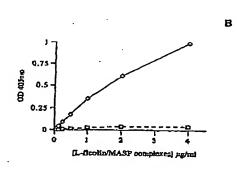
with international search report

(88) Date of publication of the international search report: 8 December 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS FOR DETECTING L-FICOLIN DEPENDENT ACTIVATION OF THE LECTIN PATHWAY OF COMPLEMENT AND KITS THEREPOR





(57) Abstract: The invention provides methods, assays and kits for detecting L-ficolin dependent activation of the lectin pathway of complement and for identifying L-ficolin abnormalities. Also provided are methods for detection of gram positive bacteria based on the interaction between L-ficolin complexes and LTA.